Fig.1

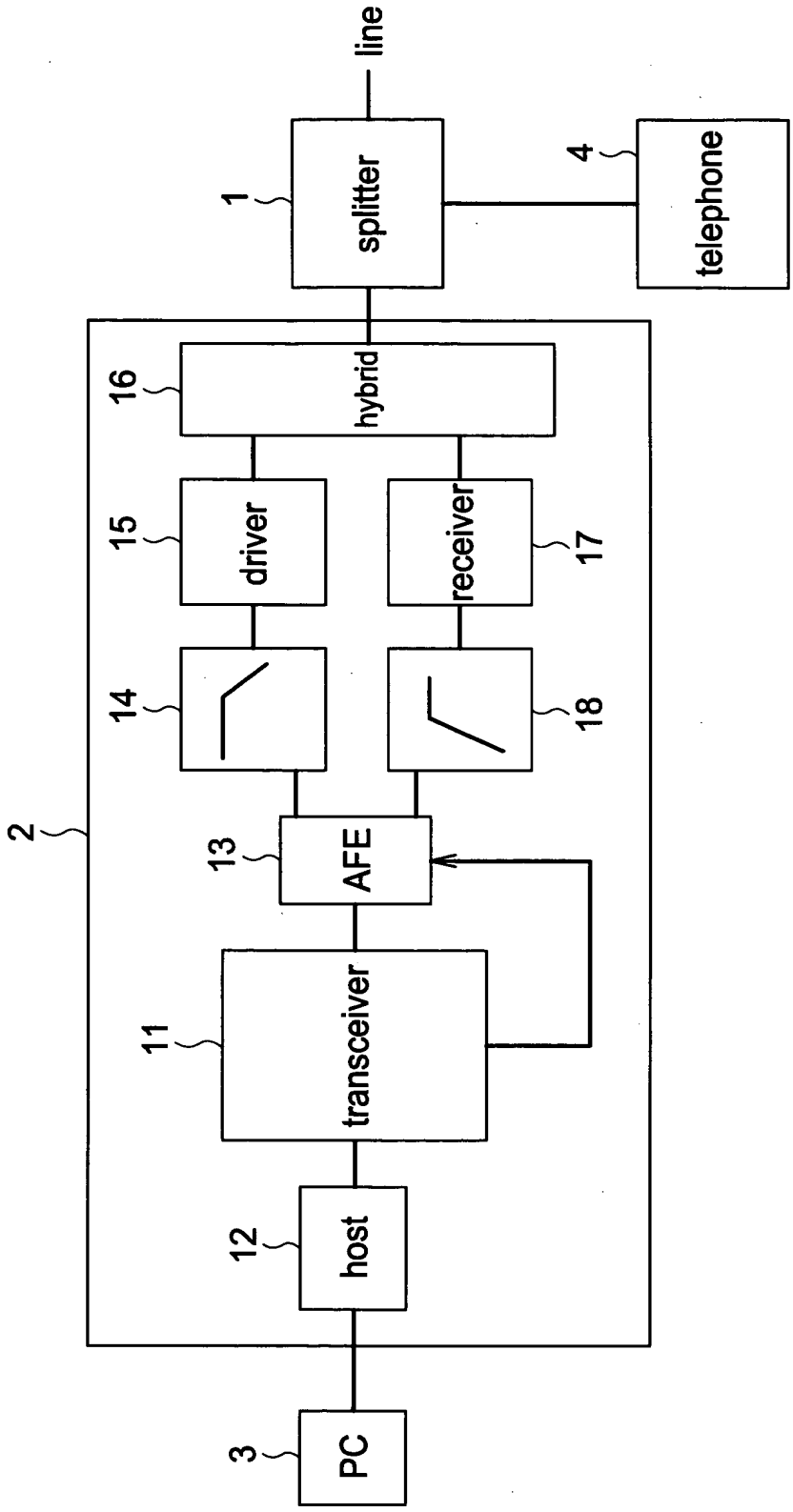

line
1
splitter
4
telephone
2
16
hybrid
15
driver
receiver
17
14
18
13
AFE
11
transceiver
12
host
3
PC

Fig.2

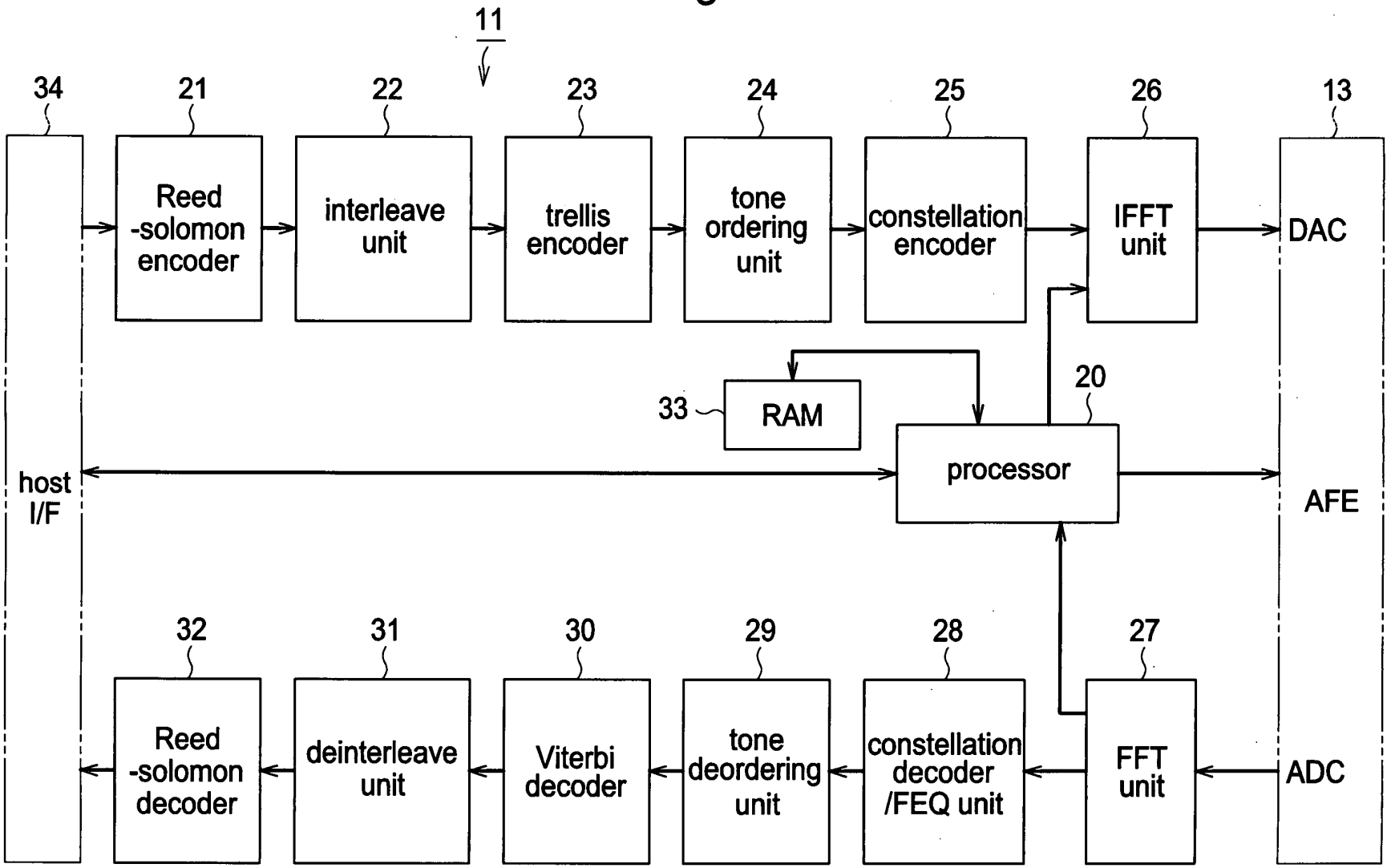

11
34
21
22
23
24
25
26
13
Reed -solomon encoder
interleave unit
trellis encoder
tone ordering unit
constellation encoder
IFFT unit
DAC
33
RAM
20
host I/F
processor
AFE
32
31
30
29
28
27
Reed -solomon decoder
deinterleave unit
Viterbi decoder
tone deordering unit
constellation decoder /FEQ unit
FFT unit
ADC

Fig.3a

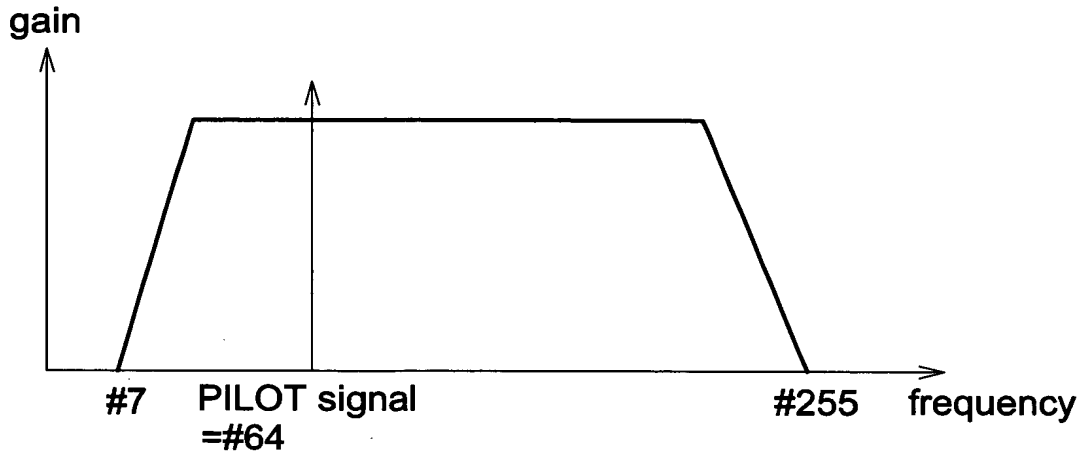



Fig.3b

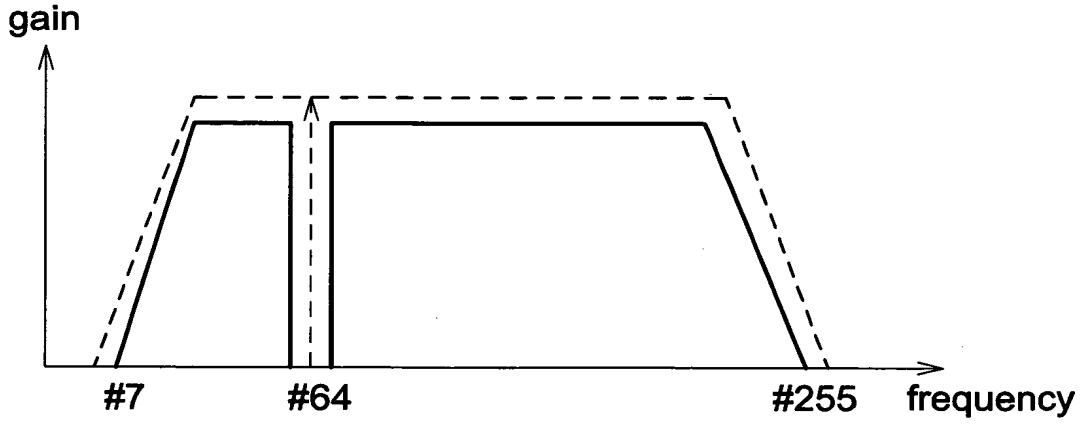


Fig.4

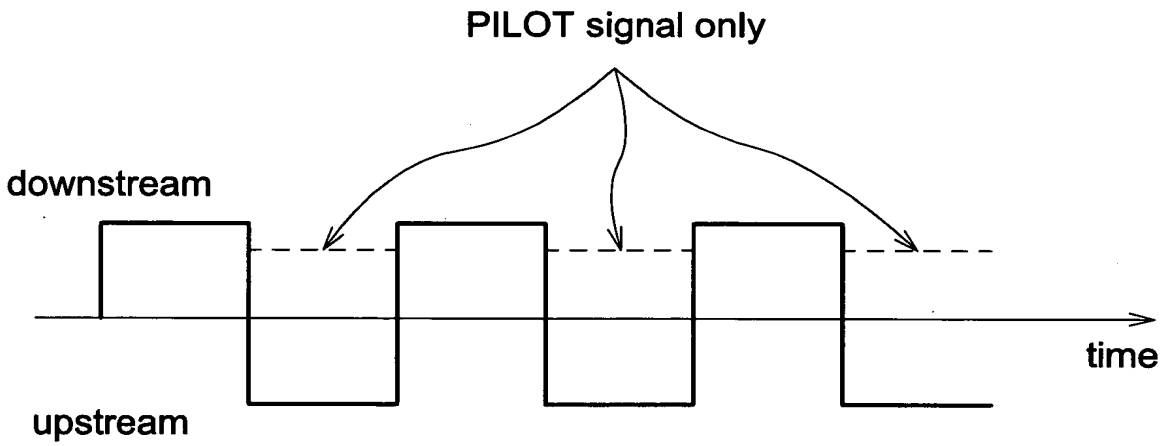


Fig.5

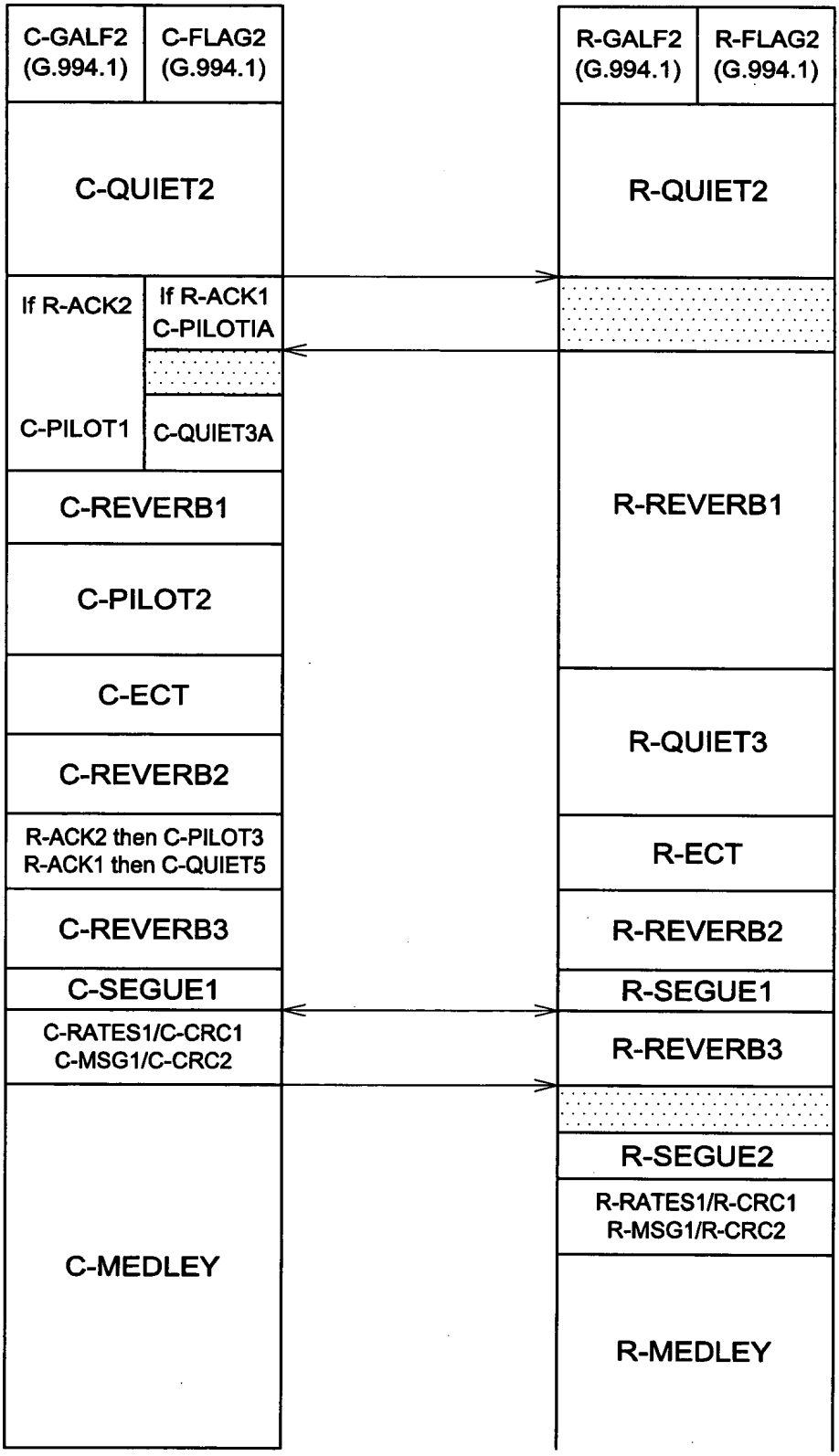

C-GALF2 (G.994.1)
C-FLAG2 (G.994.1)
C-QUIET2
If R-ACK2
If R-ACK1 C-PILOTIA
C-PILOT1
C-QUIET3A
C-REVERB1
C-PILOT2
C-ECT
C-REVERB2
R-ACK2 then C-PILOT3 R-ACK1 then C-QUIET5
C-REVERB3
C-SEGUE1
C-RATES1/C-CRC1 C-MSG1/C-CRC2
C-MEDLEY
R-GALF2 (G.994.1)
R-FLAG2 (G.994.1)
R-QUIET2
R-REVERB1
R-QUIET3
R-ECT
R-REVERB2
R-SEGUE1
R-REVERB3
R-SEGUE2
R-RATES1/R-CRC1 R-MSG1/R-CRC2
R-MEDLEY

Fig.6a

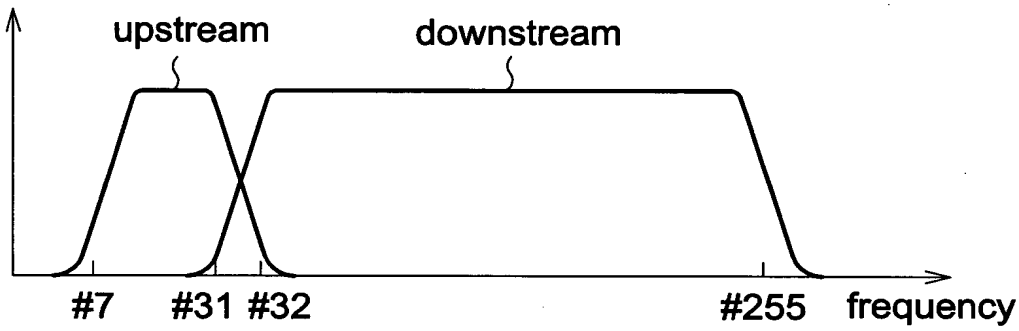

upstream
downstream
#7
#31
#32
#255
frequency

Fig.6b

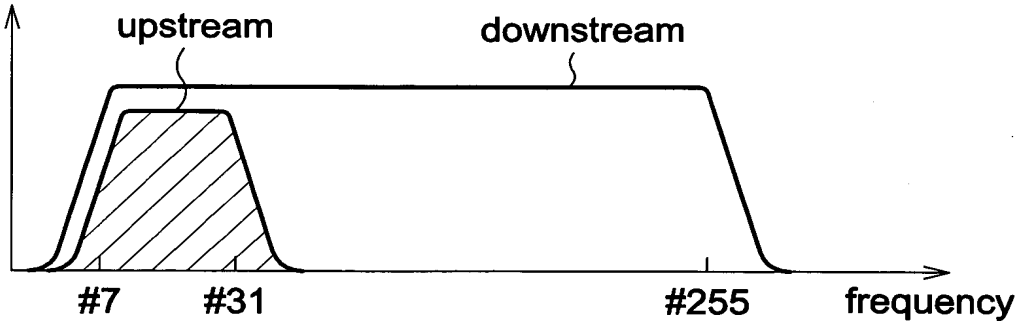

upstream
downstream
#7
#31
#255
frequency

Fig.7

